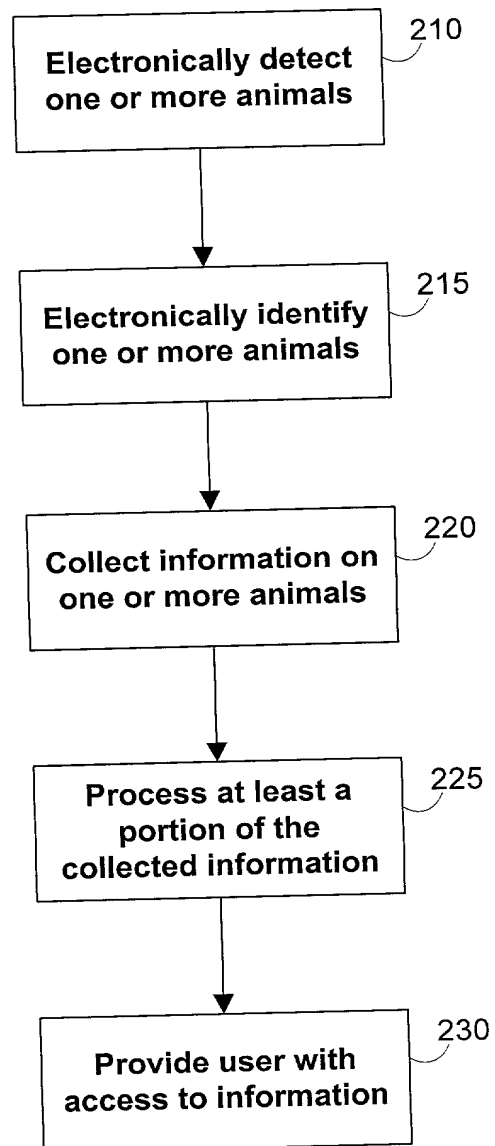
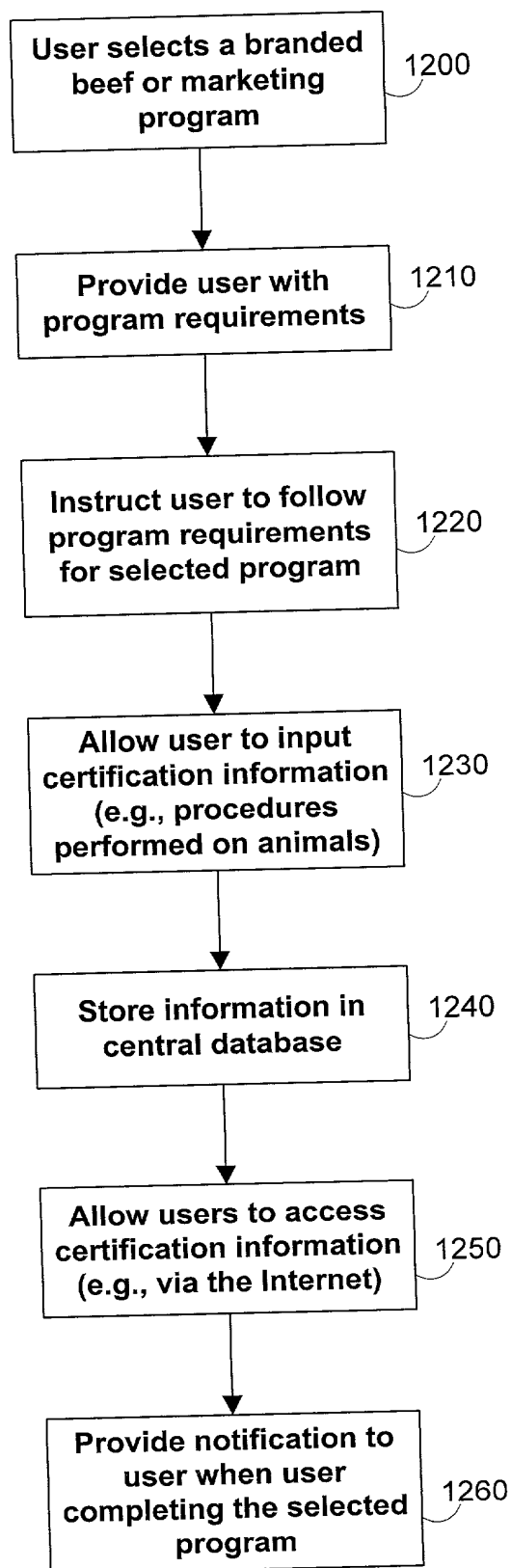


FIG. 1



**FIG. 2**



**FIG. 3**

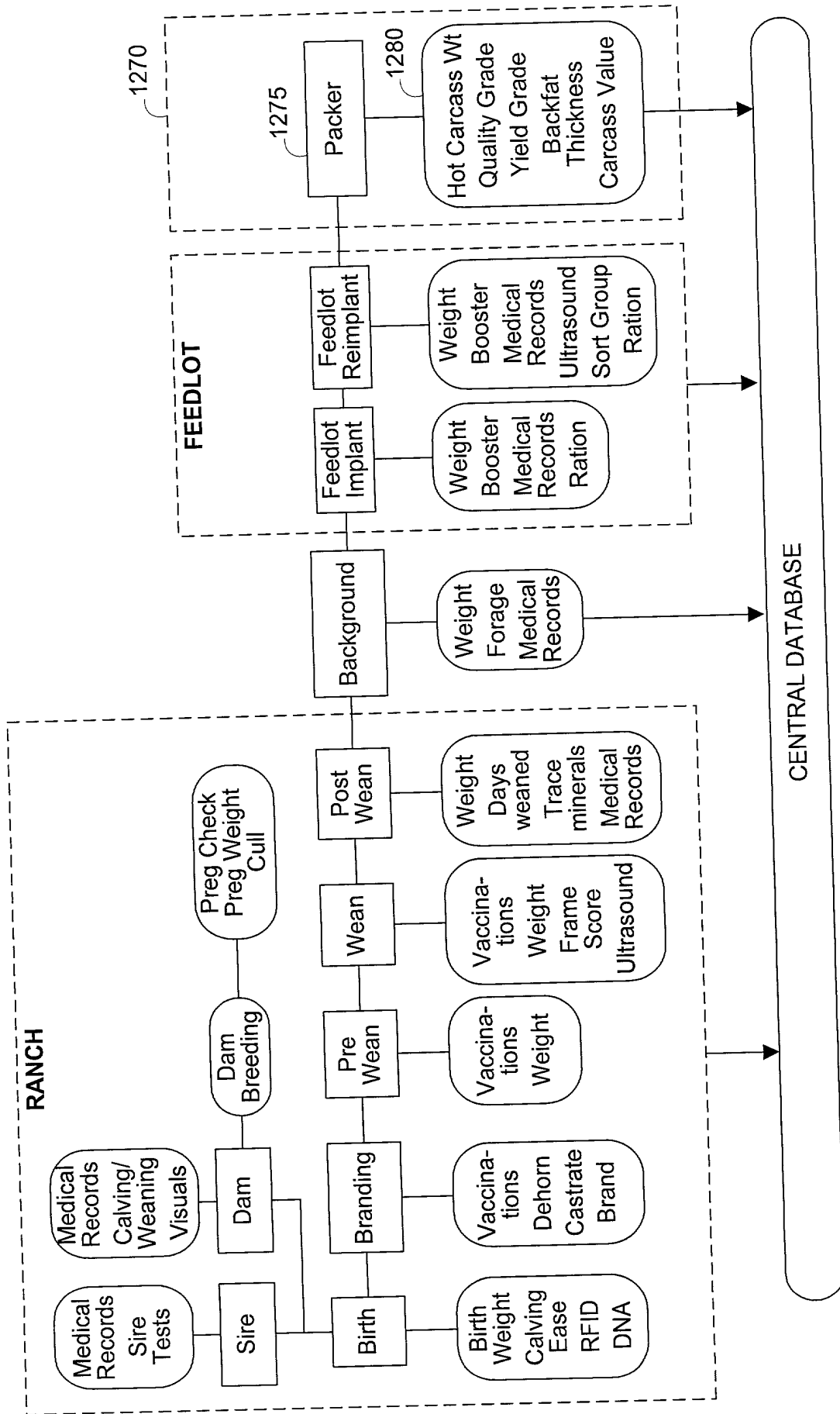


FIG. 4

1300

1310

Company A: Branded Beef Programs

1305

1315

Search  
All Programs

Criteria 1  
: Criteria 2  
GO!

13171319

Please choose criteria of interest to your operation.

Select a branded beef program you wish to participate in:

1350

Branded Beef 1  
Branded Beef 2  
:  
Branded Beef 3

132013251330

FIG. 5

Company A: Branded Beef Programs

You have chosen to participate in:  
Branded Beef 3

For your animals to be certified under this program,  
the following guidelines must be met:

① Guideline 1

② Guideline 2

·  
·  
·

③ Guideline 3

FIG. 6

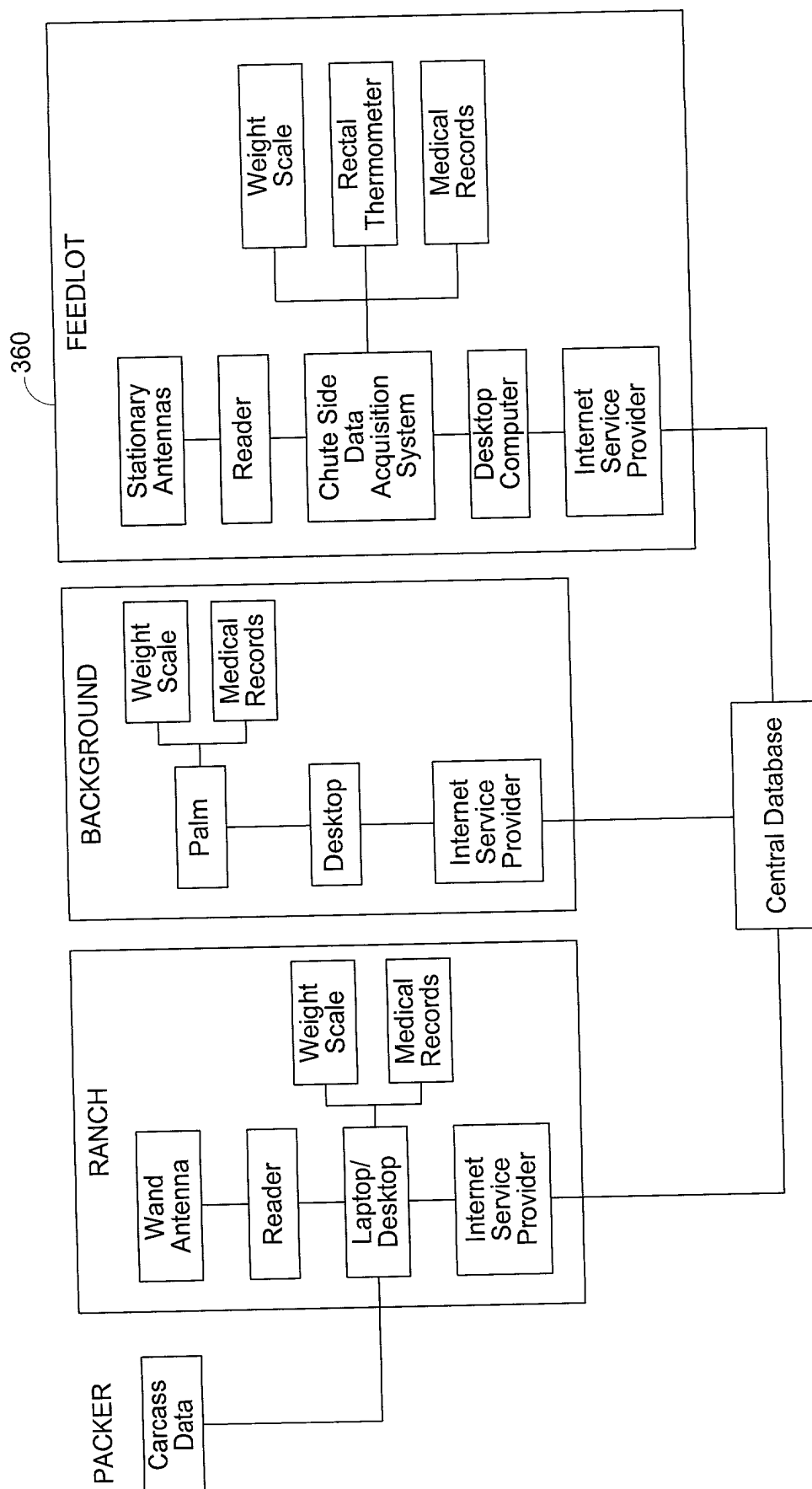
From: complete@companya.com  
To: Rancher <rancher@email.com>  
Subject: Completed Branded Beef 3

Dear Rancher,

Congratulations! Your animals have completed Branded Beef 3. The following is a valuation of the procedures and treatments administered to your animal.

For: Your Animal
Valuation ...

FIG. 7



**FIG. 8**



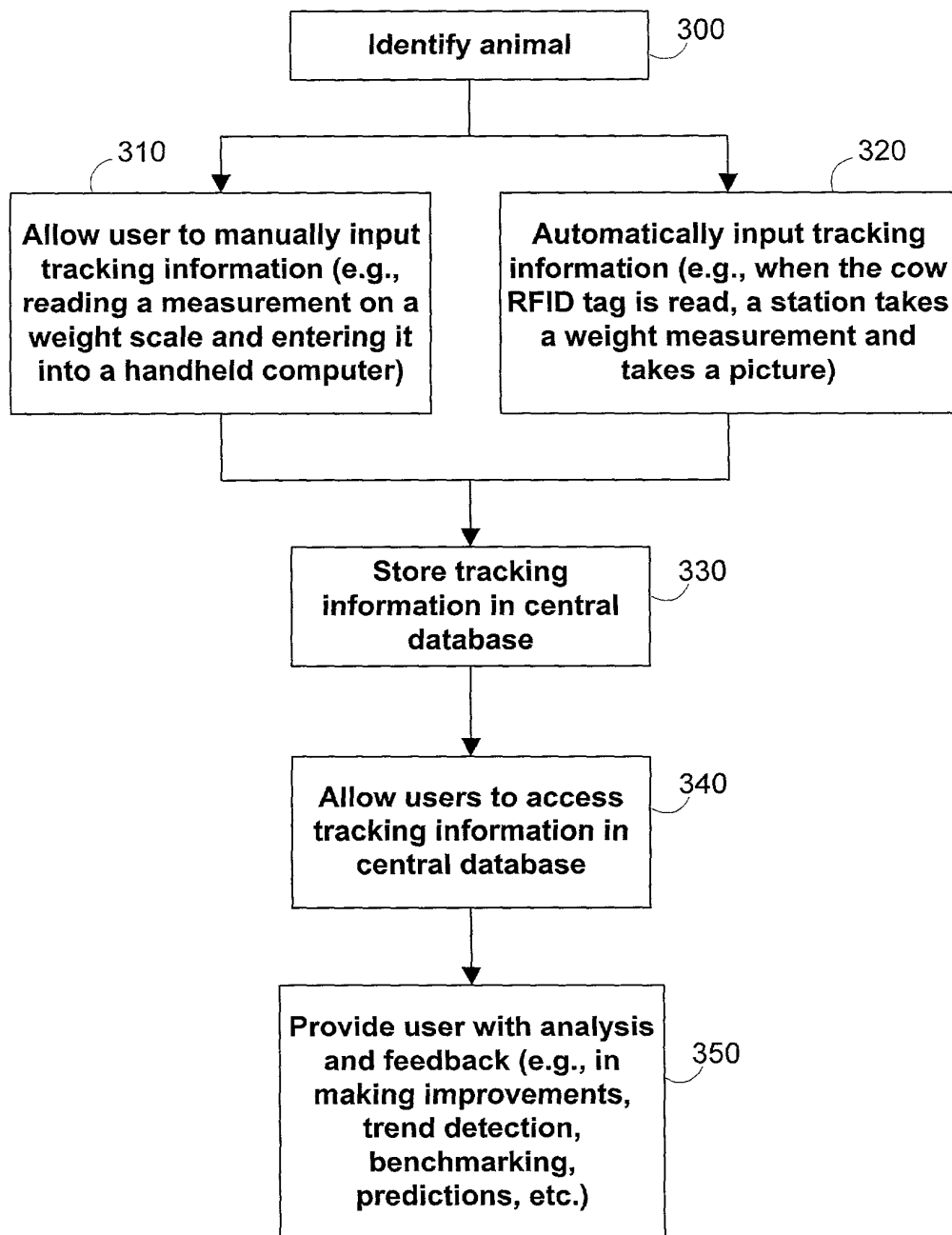


FIG. 9

**Provide user with an opportunity to purchase a product or service** 1355

Provide distributor with an opportunity to send compliance information to central database 1360

1365 **Store compliance information in central database**

Figure 1 consists of 12 subplots, labeled (a) through (l), arranged in a 6x2 grid. Each subplot shows the 'Maximum value of the function' on the y-axis (ranging from 0.0 to 1.0) against a parameter on the x-axis (ranging from 0.0 to 1.0). The parameters are: (a)  $\alpha$ , (b)  $\beta$ , (c)  $\gamma$ , (d)  $\delta$ , (e)  $\epsilon$ , (f)  $\zeta$ , (g)  $\eta$ , (h)  $\theta$ , (i)  $\phi$ , (j)  $\chi$ , (k)  $\psi$ , and (l)  $\omega$ . The plots show how the maximum value of the function changes as each parameter varies. In most cases, the maximum value decreases as the parameter increases, with some exceptions. The plots are labeled with 'a' through 'l' in the top right corner.

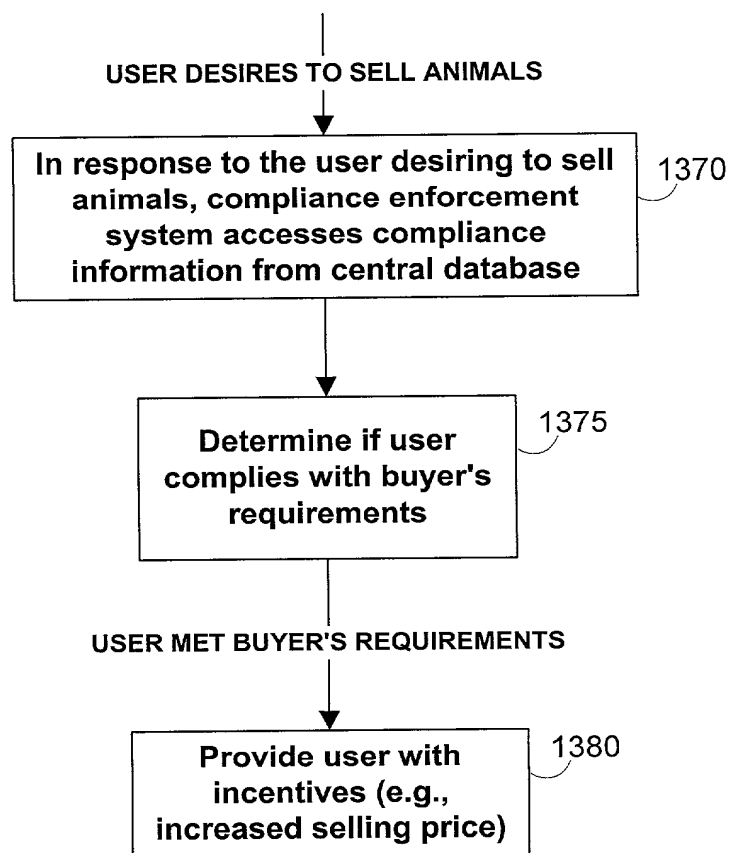
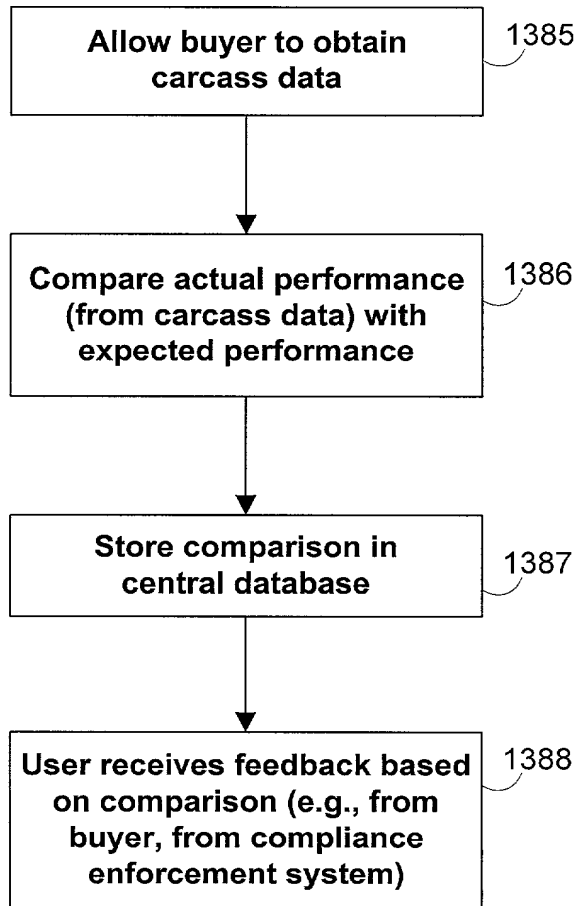


FIG. 11



**FIG. 12**

COMPLIANCE ENFORCEMENT

User's Actions — Summary

Purchased Vaccine A on 2/1/00  
Medical Record Created on 2/15/00  
Genetic Test Results from 2/16/00  
:  
:

Analysis of User's Actions

User has complied with the following programs:

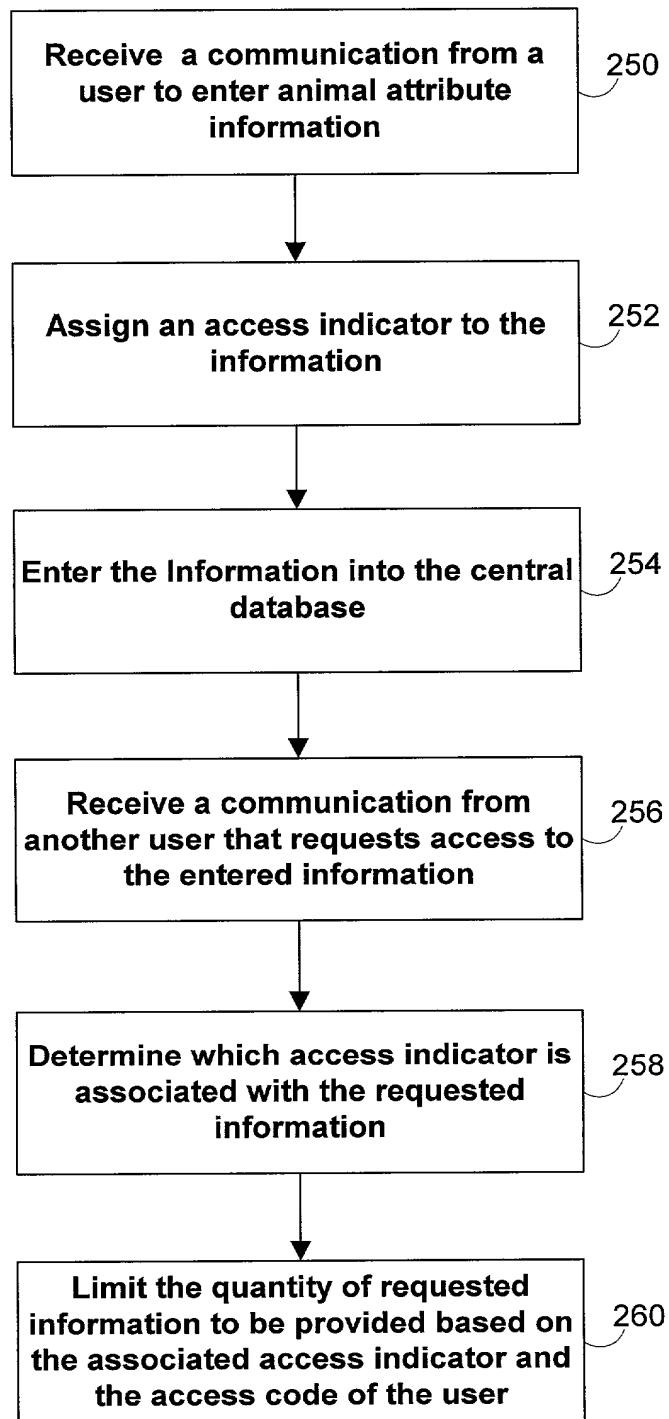
Program A

Branded Beef B

and is entitled to the following incentives:

\$100/steer + market price

FIG. 13

**FIG. 14**

140

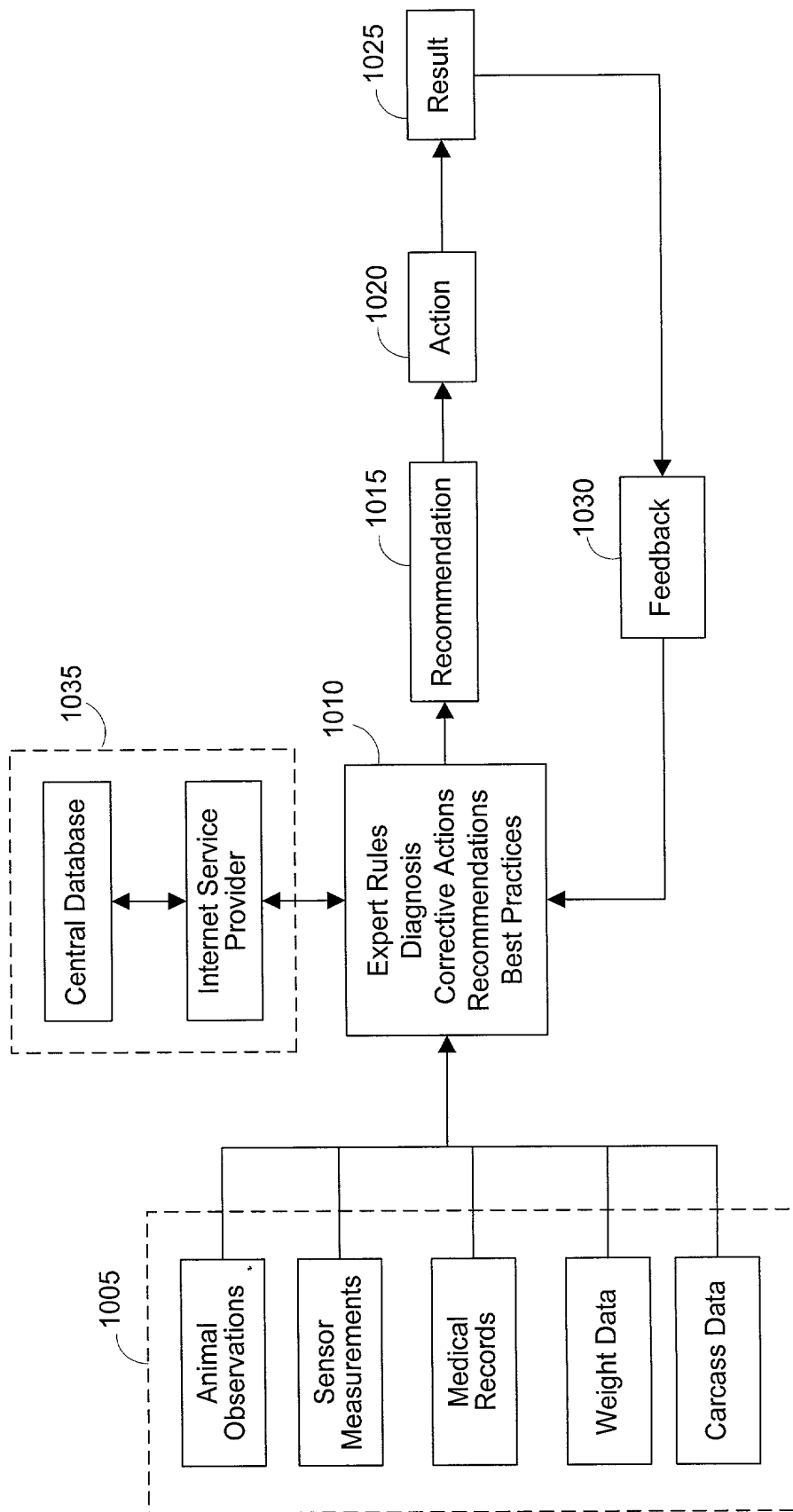


FIG. 15

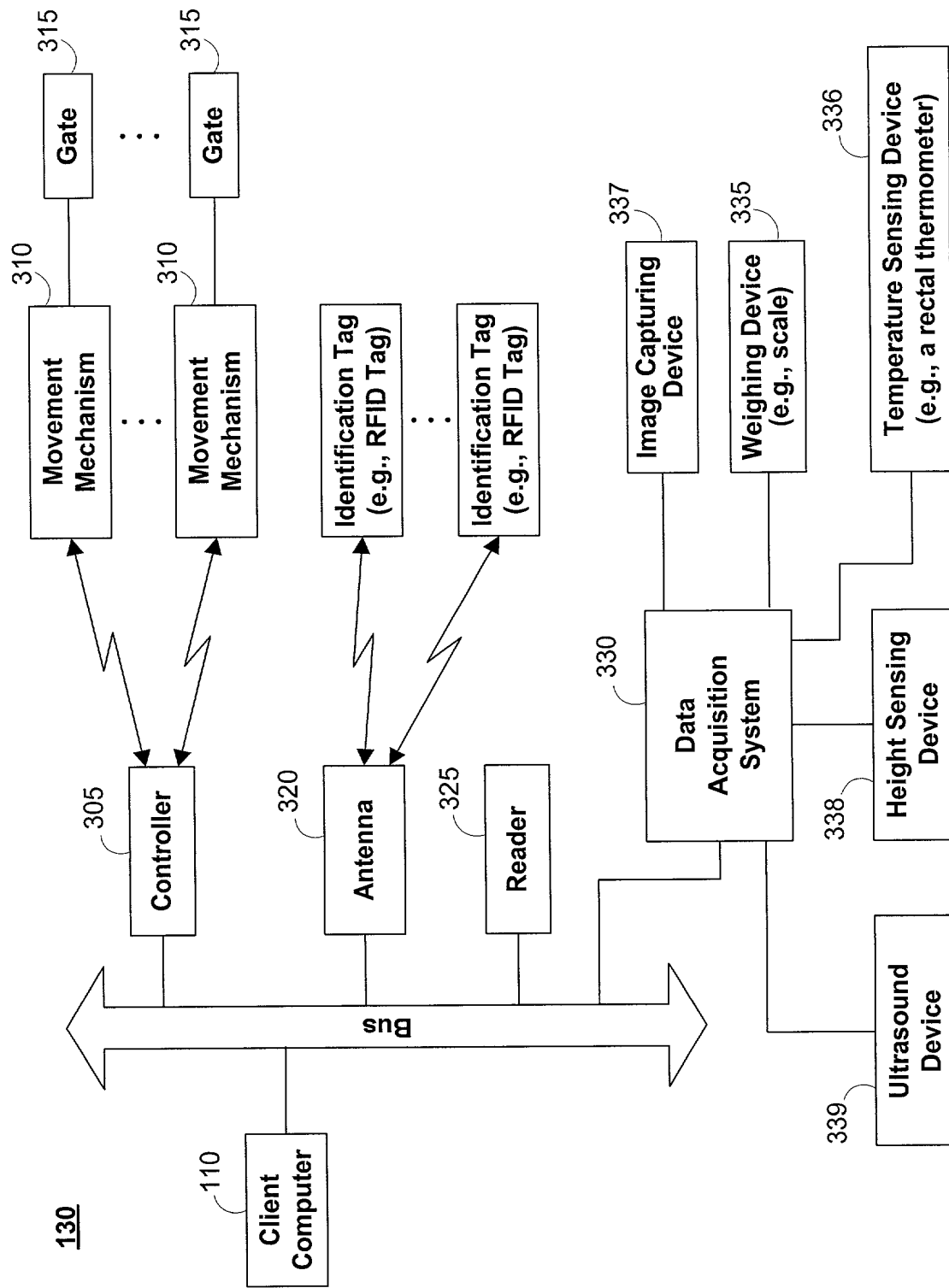


FIG. 16



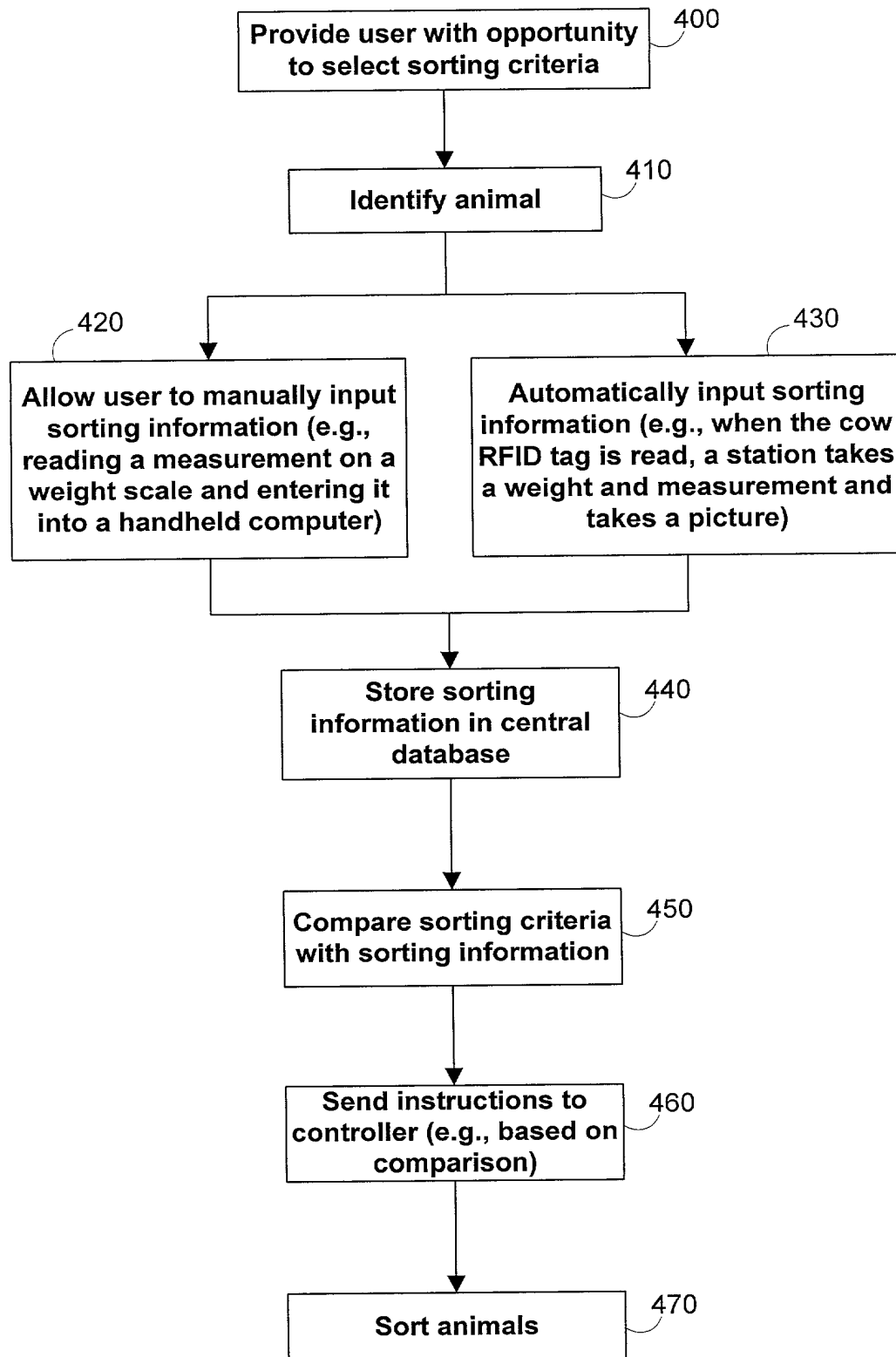


FIG. 17

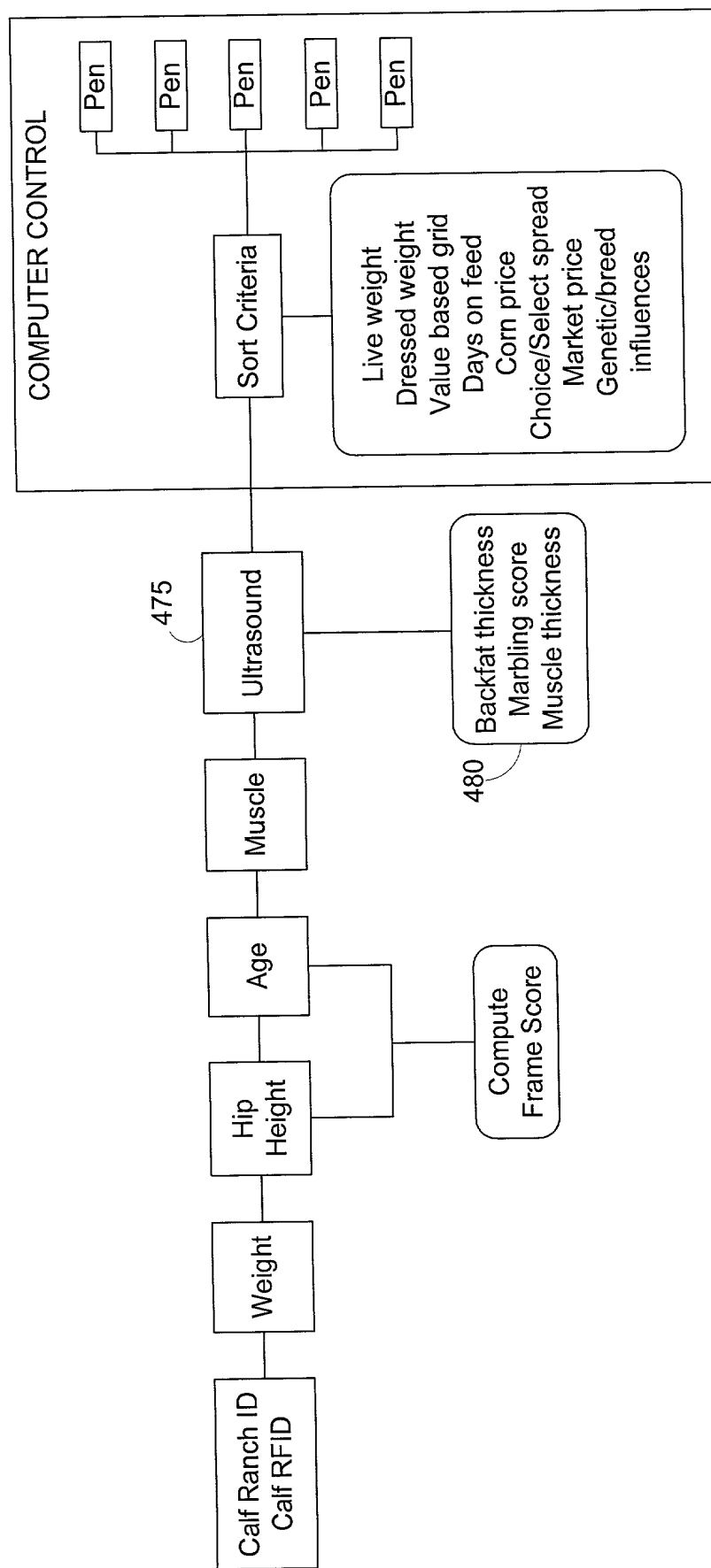


FIG. 18



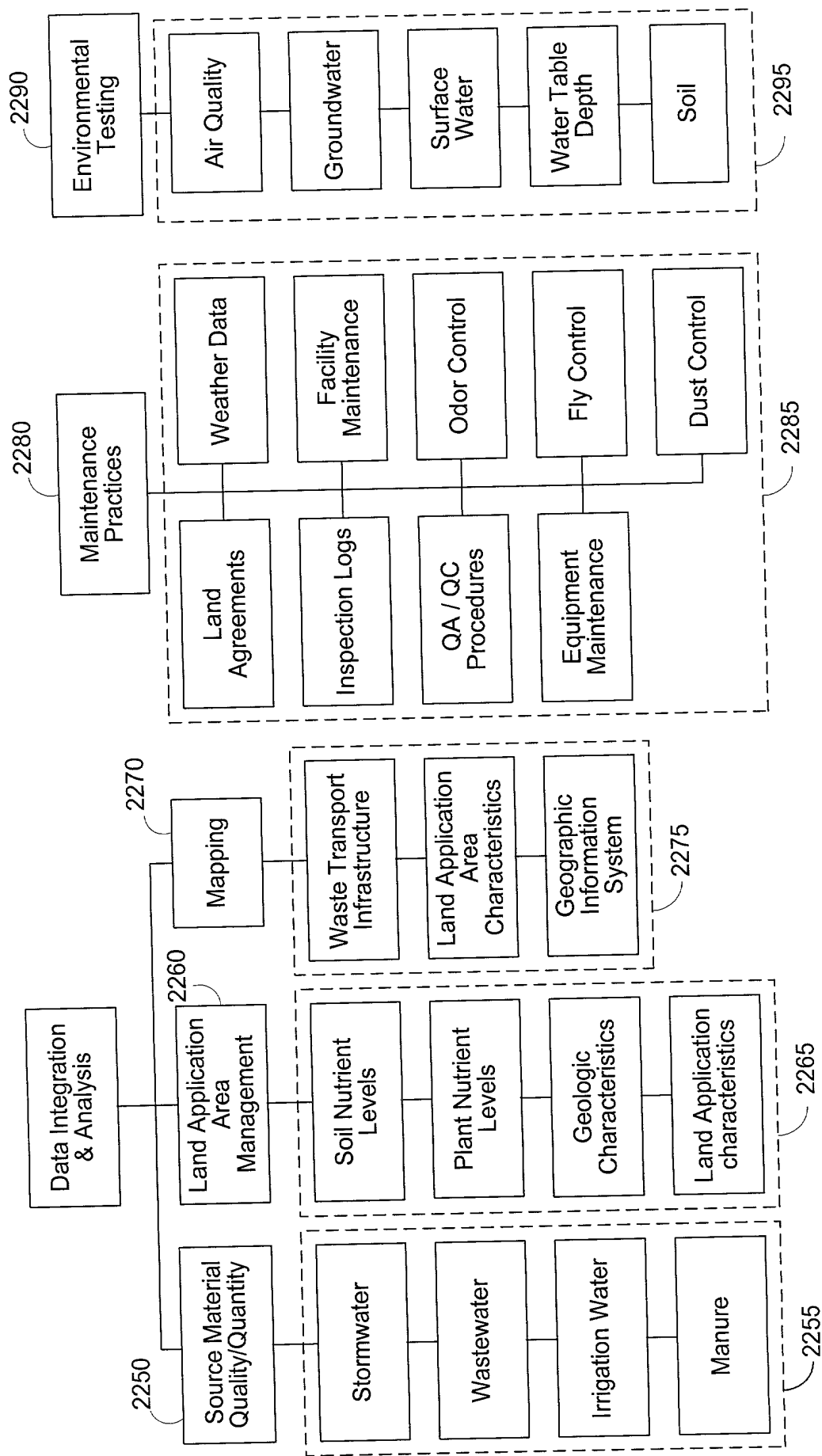


FIG. 20

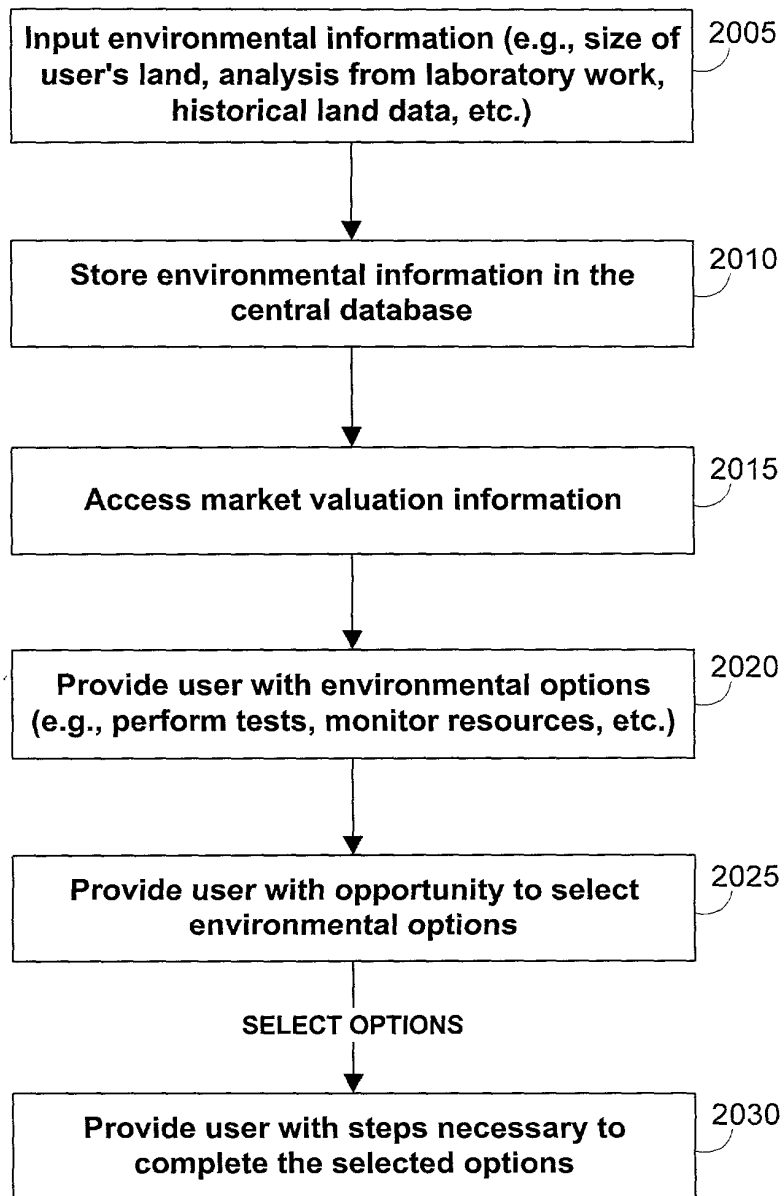
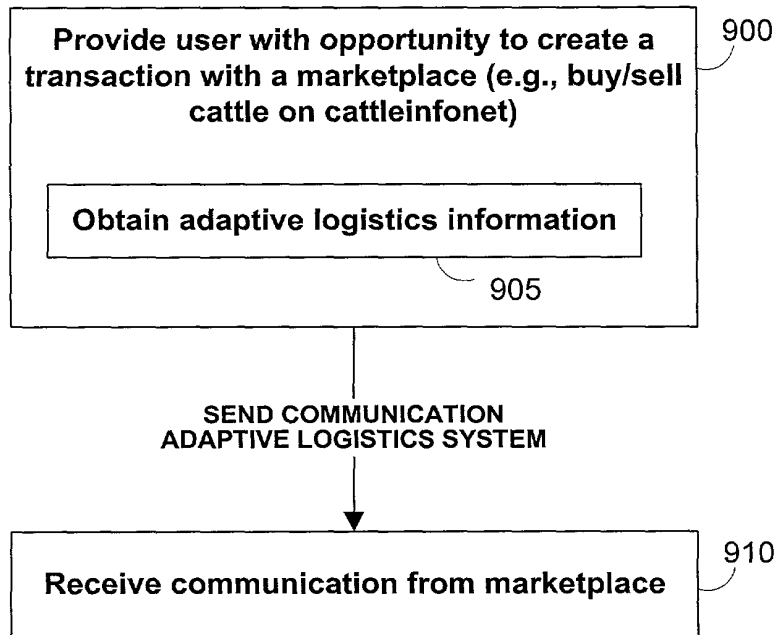


FIG. 21



**FIG. 22**

2020-04-01

Monitor shipping patterns (e.g., monitor truckers, various routes, mortality rate, animal handling skills, cleanliness of trucks, etc.)

920

Determine shipping availability (e.g., availability of truckers)

930

Determine shipping arrangement (e.g., most cost-effective shipping route)

940

Transport animals and/or commodities

950

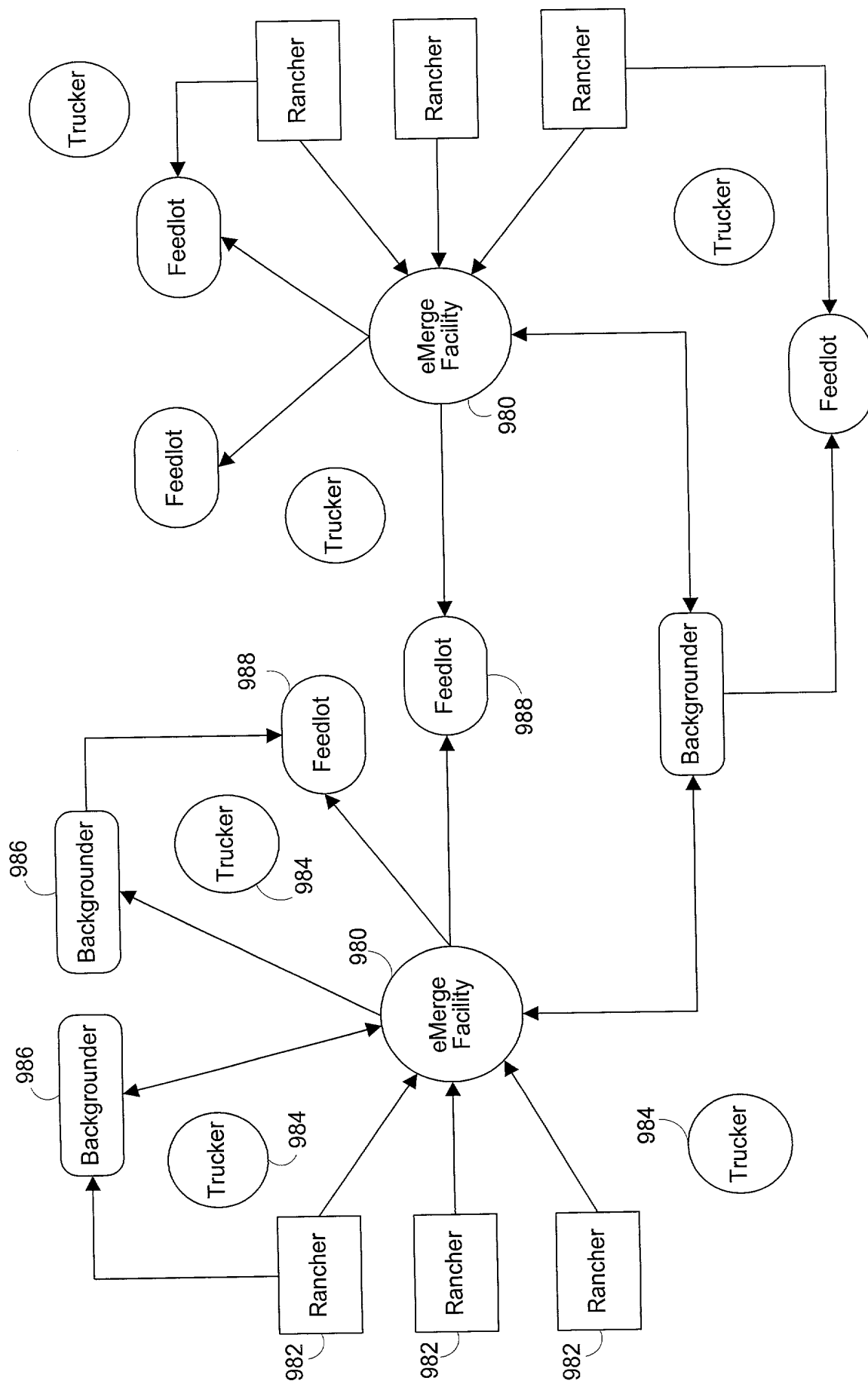
Provide user with opportunity to input feedback (e.g., on-time arrival/delivery, animal handling skills, mortality rate, etc.)

960

Forecast future shipping needs (e.g., based on adaptive logistics information)

970

FIG. 23



**FIG. 24**



2400

## Cattle Inventory

the inventory 2401  
07/25/2001

11:45 AM EST 2402

[illegible]

**FIG. 25**

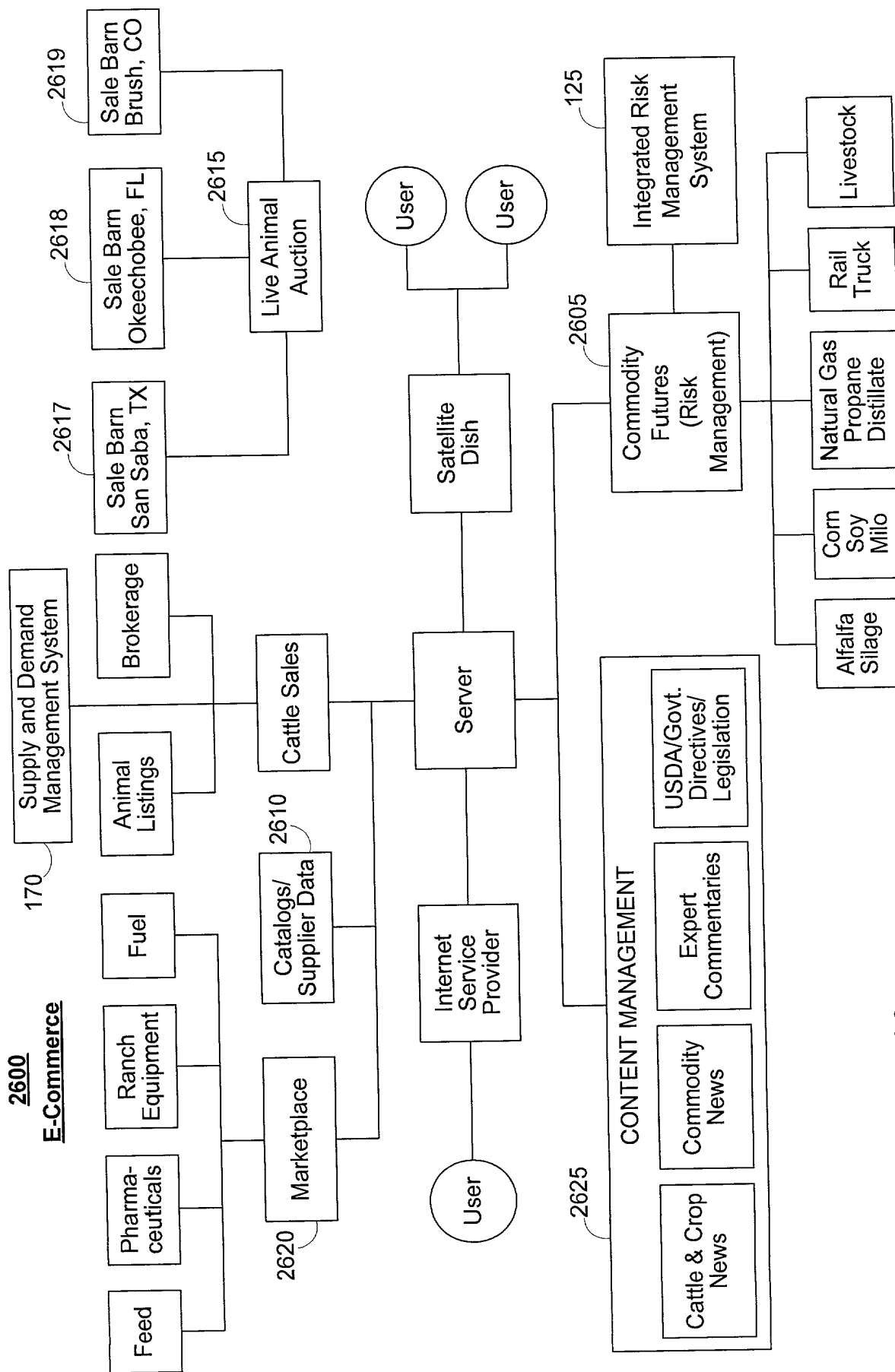
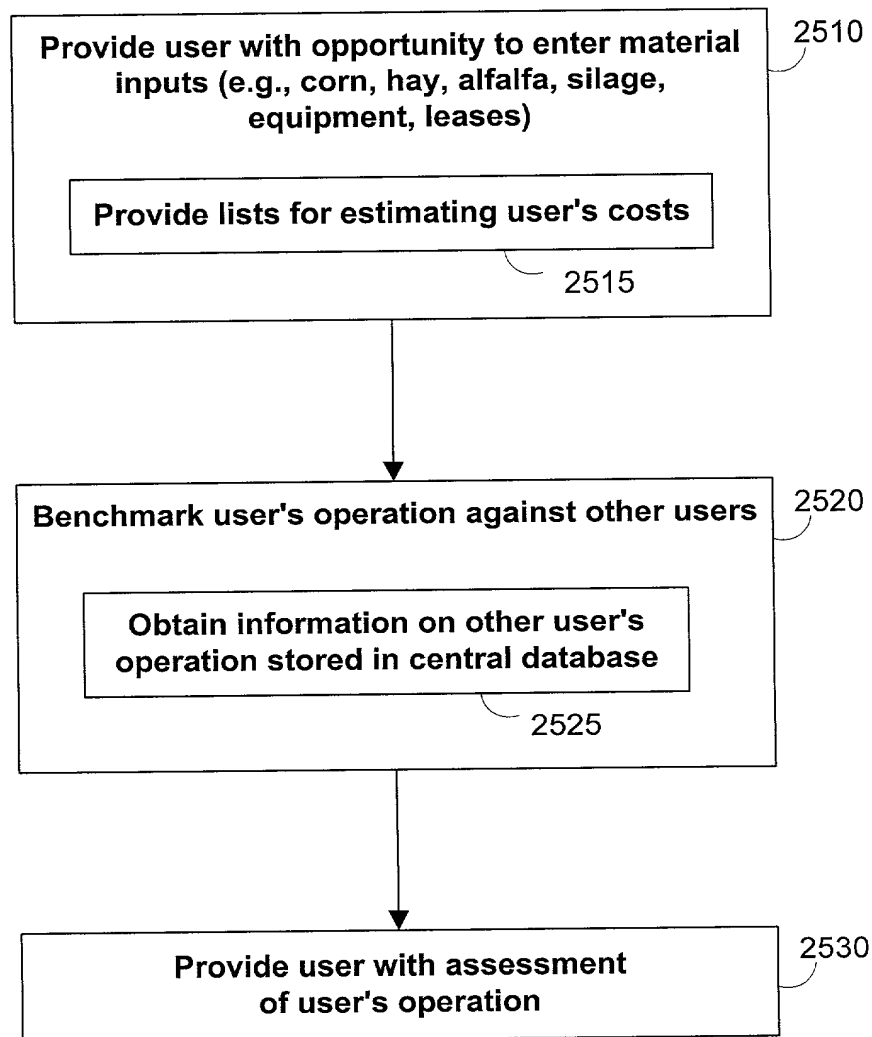
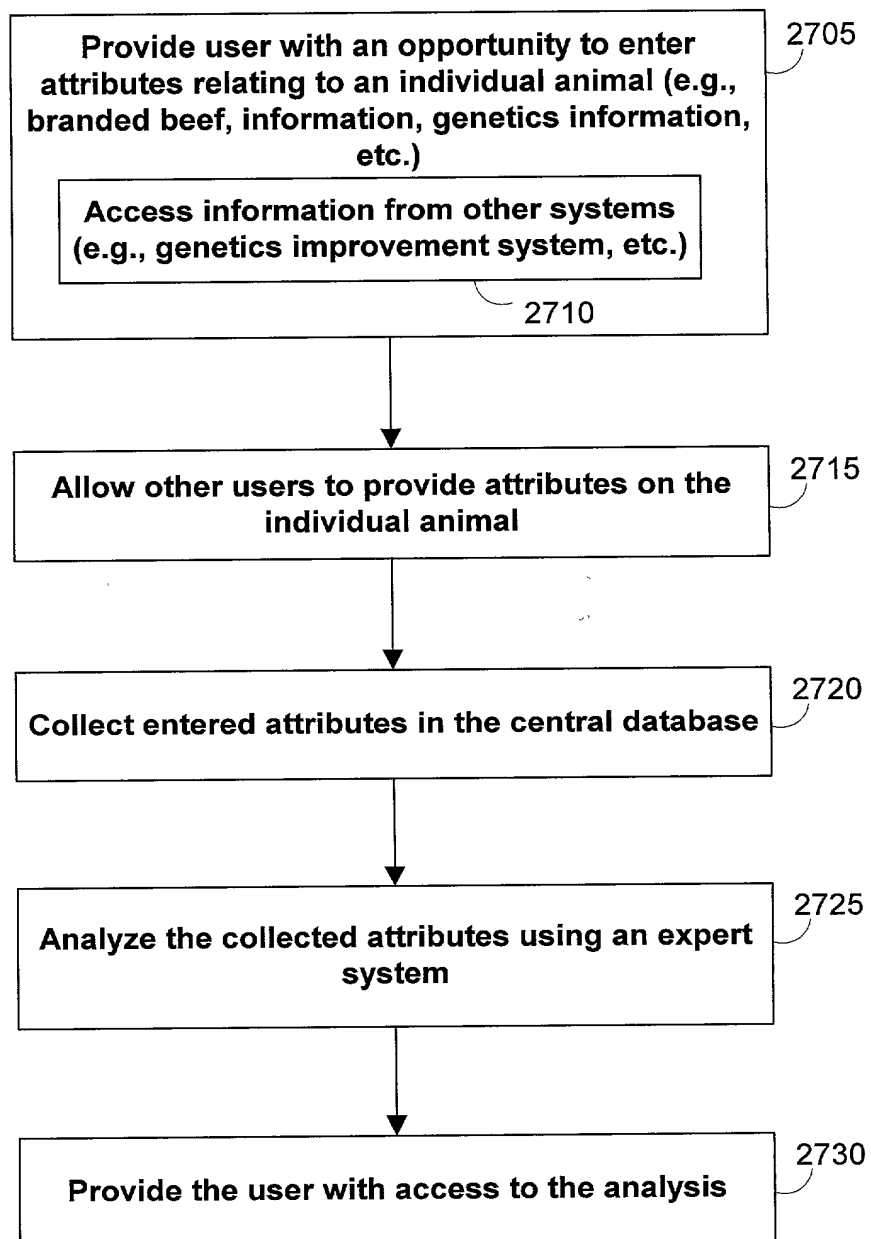


FIG. 26



**FIG. 27**

**FIG. 28**